

IN THE CLAIMS:

Please cancel Claims 1 to 13 without prejudice or disclaimer of subject matter and amend the claims as shown below. The claims, as pending in the subject application, read as follows:

1. to 13. (Canceled)

14. (Currently Amended) An information processing apparatus for accumulating data of a measurement target, said apparatus comprising:

an acquisition section, arranged to acquire the data of the measurement target by independently executing a computer program for data acquisition;  
a display section, arranged to generate information to be displayed by independently executing a computer program for display information generation on the basis of the acquired data supplied to the display section by the acquiring section by interprocess communication;

a recording section, arranged to record the data obtained by the interprocess communication on a recording medium, by independently executing a computer program for data recording;

~~a communication section, arranged to transfer data obtained by the interprocess communication to another information processing apparatus connected to a network by independently executing a computer program for data transfer; and~~

a management section, arranged to control operations of said acquisition, and display, and recording sections in accordance with priorities of said acquisition, and

display, and recording sections, by independently executing a computer program for operation control,

wherein all of the computer programs of said acquisition, display, recording communication, and management sections are provided as an integrated computer program which integrates the independent computer programs, and the computer programs are executed under a multitasking function of an operating system, and

wherein execution the priority of the data acquisition program[[],] is higher than that of both the recording program[[],] and the display information generation program, and wherein, when an error occurs in any one of the data acquisition program, the recording program, and the display information generation program, the management section suspends execution of the program in which the error occurs, and programs having a priority lower than that of the program in which the error occurs is controlled by the operation control program based on a priority of the programs.